




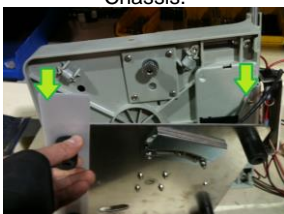


Repair Instructions

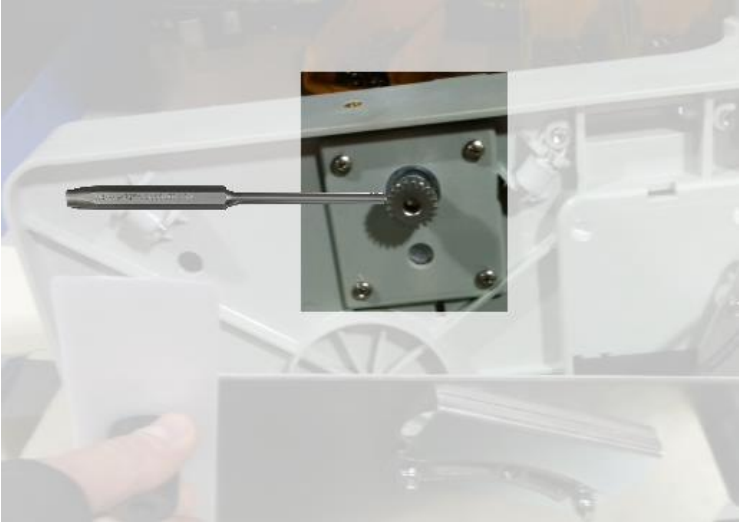

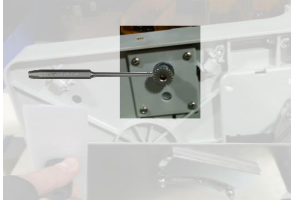



Replacing and Installing a Spur Gear on a Sweep Motor

Elite Models that Apply: EL04, EL05, EL05-LE

Step	Description	Tools	Picture
1	<p style="text-align: center;">Removing The Case</p> <p>Step 1.) Unscrew the (6) Phillips-head screws along the bottom of the red case where it attaches to the chassis of the machine. (2-front, 2-rear, one on each side)</p> <p>Step 2.) Lift the red case off the chassis and set it aside.</p>	Phillips Screw Driver	 <p>Case Screws (Front & Rear)</p>  <p>Case Screws (Side)</p>  <p>Case Removed</p>
2	<p style="text-align: center;">Removing The Platform</p> <p>Step 1.) Using a 9/16" crescent wrench, and a 9/16" wrench, hold onto the bolt which is outside of the machine underneath the platform, while unscrewing the nut attached to the other end of the bolt, inside the machine (below the bottom server wheel).</p> <p>Step 2.) With the Platform detached, position it so that the 4 rubber feet are touching the ground, and the white plastic spacer is pointing up.</p>	Phillips Screw Driver 9/16" Crescent Wrench 9/16" Wrench	 <p>Platform with Nut removed.</p>  <p>Platform being removed from Chassis.</p> 

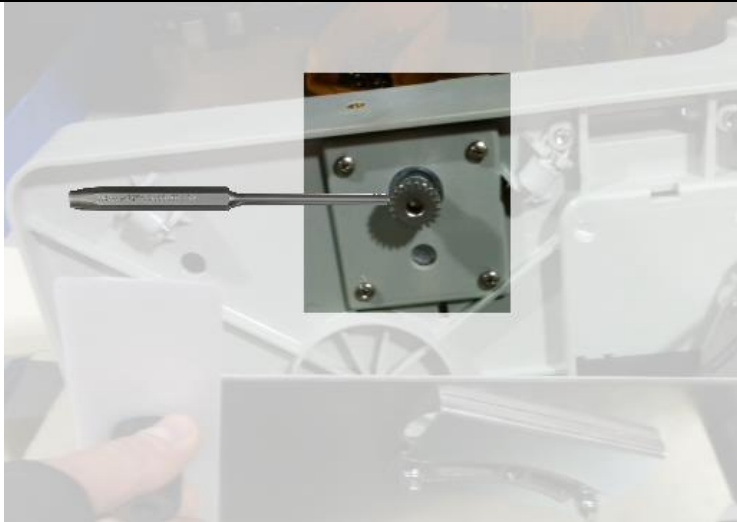
Repair Instructions

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			<p>Platform Being rested feet down- with magnet facing up.</p>
<p>3</p>	<p>Removing and Replacing the Sweep Motor</p> <p>Step 1.) With the chassis on its side, use the 1/8 pin punch to push out the spring pin holding the spur gear to the sweep motor.</p>  <p>1/8 Pin Punch pushing out spring pin.</p> <p>Step 2.) Line up the new spur gear with the sweep motor shaft. Using a pair of channel locks, or your hammer, gently tap the spring pin into the sweep motor shaft until it is flush with the other end.</p>  <p>Spur Gear and Sweep Motor Shaft hole lined up.</p>		 <p>Sweep Motor Spur Gear and 1/8 Pin Punch</p>  <p>Spur Gear lined up with Sweep Motor Shaft.</p>  <p>1/8 Pin Punch pushing spring pin into Spur Gear and sweep motor shaft.</p>  <p>Spur Gear with spring pin flush.</p>

Repair Instructions

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Putting new Spur Gear back on Sweep Motor.



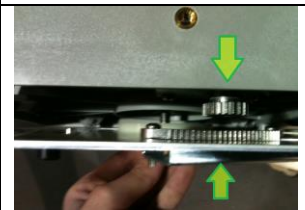
Spur Gear with Spring Pin flush.

Re-attaching the Platform the Chassis

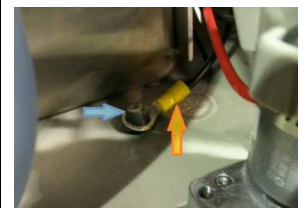
Step 1.) Carefully line up the platform with the Chassis, so that the Rack Gear teeth, fit in-between the Spur Gear teeth.
(See picture below).

4 **Step 2.)** Push the ½ inch platform bolt thru the bottom of the platform, so that the threaded edge is popping out of the top/middle of the chassis.

Step 3.) Put the Battery Negative Ground Loop over the threads of the ½ inch platform bolt, and cap it off with the bolt.






Rack Gear teeth lining up with Spur Gear teeth.



The threading is pointed out in blue, and the Battery negative Ground Loop is

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	<p>Step 4.) Tighten the nut and yoke bolt until the nut can be turned by your thumb and index finger. <i>*If the platform bolt is tightened too much, this can cause a Feedback or Overcurrent Sweep Motor Error.</i></p>		orange.
5	<p style="text-align: center;">Re-attaching The Case</p> <p>Step 1.) Lift the red case and lower until it is covering the whole Chassis of the machine.</p> <p>Step 2.) Screw the (6) Philips-head screws along the bottom of the red case where it attaches to the chassis of the machine. (2-front, 2-rear, one on each side)</p>		 <p>Case Removed</p>  <p>Case Screws (Front & Rear)</p>  <p>Case Screws (Side)</p>

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